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Commercial Fertilizers, Commercial Feeds

AND

Agricultural Liming Materials

Results of Tests on Products Sold as Vitamin D Carriers

STATE INSPECTION SERVICE

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ASSAY OF VITAMIN D SUPPLEMENTS SOLD IN MARYLAND
Spring 1936

The accompanying table contains the results obtained in a recently completed assay of samples of products sold in Maryland as vitamin D supplements. These samples were secured by Inspectors of this Department during January and February 1936. Each brand tested carried a specific guarantee of vitamin D potency as measured by the Association of Official Agricultural Chemists' method of assay for anti-rachitic materials. This potency is listed in the table under the heading "Guaranteed Percentage". Each product was assayed at the guaranteed percentage and the results are shown in the column headed "Result of Test". If a product gave a group average ash percentage of 44% or more at the guaranteed percentage under the A. O. A. C. procedure, it is reported as "Guarantee Sustained". If the ash percentage was less than 44% the report is "Guarantee Not Sustained, Ash Percentage ."

It is to be emphasized that the guaranteed percentages are not to be construed as feeding recommendations. For practical feeding purposes the recommendations of the manufacturer should be followed.

In order to derive the maximum benefits from the results of control assays, it is advisable to consider as great a number of tests as are available. The results of previous tests conducted by this Department will be of service in this connection.

Manufacturer	Brand Name	Guaranteed Percentage	Result of Test
The Acton Company Philadelphia, Pennsylvania	Acton Special Non-Freezing Cod Liver Oil	½%	Guarantee Sustained
F. E. Booth Company, Inc. San Francisco, California	Sardilene	½%	Guarantee Sustained
California Packing Corporation San Francisco, California	Biotol, Biologically Tested Sardine Oil	⅜%	Guarantee Sustained
Consumers Import Company, Inc. New York City, New York	Deluxe, U.S.P. Cod Liver Oil	¼%	Guarantee Sustained
Ezl. Dunwoody Company Philadelphia, Pennsylvania	Super X Cod Liver Oil	½%	Guarantee Sustained
Gunning and Gunning New York City, New York	Gunning-Quality Cod Liver Oil	1%	Guarantee Sustained
Health Products Corporation Newark, New Jersey	CLO-TRATE Concentrated Cod Liver Oil	⅛%	Guarantee Sustained
Chas. L. Huisking & Company New York City, New York	High Hatchability Special Vitamine Brand Cod Liver Oil Reinforced with Vitamin E	¼%	Guarantee Sustained

New York City, New York			
Health Products Corporation Newark, New Jersey	CLO-TRATE Concentrated Cod Liver Oil	1/8%	Guarantee Sustained
Chas. L. Huisking & Company *New York City, New York*	High Hatchability Special Vitamine Brand Cod Liver Oil Reinforced with Vitamin E	1/4%	Guarantee Sustained
	Vitamine Brand Cod Liver Oil	1/4%	Guarantee Sustained
King Brothers & Company Philadelphia, Pennsylvania	King's Poultry Cod Liver Oil	1/2%	Guarantee Sustained
McKesson & Robbins, Inc. Bridgeport, Connecticut	Isdahl's Superfine Poultry U.S.P., Non-destearinated Cod Liver Oil	1/2%	Guarantee Sustained
Mutual Rendering Company, Inc. Philadelphia, Pennsylvania	Mureco Cod Liver Oil	1%	Guarantee Sustained
National Oil Products Company Harrison, New Jersey	*Nopco XX Vitamin Concentrate Added to Pure Cod Liver Oil	3/32%	Guarantee Sustained
	**Nopco DD Cod Liver Oil	3/8%	Guarantee Sustained
Pratt Food Company Hammond, Indiana	Pratt's Cod Liver Oil	1/2%	Guarantee Sustained

* Now registered as "Nopco XX". ** Now registered as "Nopco Cod Liver Oil".

In the table immediately following are given the results of two tests of a sample of Dunwoody Super X Cod Liver Oil which was collected by this Department in August 1935. The results of our first assay of this particular sample showed it to be less potent than guaranteed. A pen of chicks fed this oil at the guaranteed level of 1/2% gave an average tibia ash average of 38.07%. A portion of this same sample was retested at 1/2%. The ash average found in the second test was 37.33%, clearly substantiating the results of the original assay.

Manufacturer	Brand Name	Guaranteed Percentage	Result of Test
Ezl. Dunwoody Company Philadelphia, Pennsylvania	Super X Cod Liver Oil	1/2%	Guarantee not Sustained. First Test = 38.07% Retest = 37.33%

The report in Table 1 covers a sample of Ezl. Dunwoody Super X Cod Liver Oil taken this Spring and has no connection with the product reported in Table 2.